

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	290	(quantum well) and ((light emitting) or LED or laser) and (thick\$4 with variation with (well or (active with layer)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/08/23 17:45
L5	65	L4 and ((zero or absent or negligible or "0") with (thick\$4 or height))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/08/23 17:45
L4	513	257/E33.008.ccls. and @ad<"20040130"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/08/23 17:45
L3	36	L2 and (dop\$3 with barrier with layer) and (((("not" doped) or (undoped)) with well with layer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/23 17:44
L2	1208	257/78,102.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/23 17:44
L1	508	(multiple with quantum with well) and ((GaN or (gallium nitride)) with well) and (si with dop\$3 with barrier) and (light emitting)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/23 17:44
S91	41	S90 and (@ad<"20050128") and (well with GaN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/08/22 14:01
S90	149	("4862471"   "4916708"   "4941025"   "5077588"   "5146465"   "5247533"   "5358897"   "5373166"   "5392306"   "5400352"   "5410159"   "5473173"   "5523589"   "5563900"   "5578839"   "5585648"   "5587593"   "5592501").PN. OR ("5684309").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/22 14:01

S89	73	S88 and @ad< "20050128"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/22 13:49
S88	75	( "20010022367"   "20010030318"   "20010032976"   "20020046693"   "20020060326"   "20020182765"   "4153905"   "4495514"   "4670088"   "4946548"   "4966862"   "5091333"   "5210051"   "5239188"   "5247533"   "5252499"   "5272108"   "5278433"   "5281830"   "5285078"   "5290393"   "5306662"   "5323022"   "5334277"   "5369289"   "5385862"   "5406123"   "5408120"   "5433169"   "5442205"   "5468678"   "5516731"   "5563422"   "5578839"   "5637530"   "5652434"   "5686738"   "5733796"   "5734182"   "5747832"   "5751752"   "5767581"   "5777350"   "5828684"   "5834326"   "5850410"   "5877558"   "5880486"   "5905276"   "5959307"   "5998925"   "6001669"   "6017774"   "6051849"   "6066861"   "6069440"   "6078063"   "6084899"   "6093965"   "6115399"   "6153010"   "6172382"   "6204512"   "6215133"   "6222871"   "6238943"   "6245259"   "6249012"   "6337493"   "6362017"   "6495862"   "6555457"). PN. OR ("6881983").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/22 13:49
S87	12	( "20030015104"   "20030151044"   "20030160246"   "20030209704"   "20040099858"   "20050026399"   "5088100"   "5434426"   "5486490"   "6121634"   "6222871"   "6881983"). PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/22 13:45

S86	9	("20030151044"   "20030160246"   "20050242364"   "20060157730"   "20060163605"   "6172382"   "6608330"   "6906352"   "7601979"). PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/22 13:42
S85	28	("5684309").PN. OR ("6608330").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/22 13:40
S84	59	S82 and (well with GaN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/08/22 13:05
S83	59	S82 and(well with GaN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/08/22 13:05
S82	116	(US-20010013605-\$ or US- 20020056836-\$ or US- 20020084452-\$ or US- 20030052316-\$ or US- 20040012013-\$ or US- 20050093009-\$ or US- 20040012958-\$ or US- 20040213315-\$ or US- 20040245535-\$ or US- 20020030200-\$ or US- 20020195606-\$ or US- 20050205884-\$ or US- 20010011733-\$ or US- 20020045286-\$ or US- 20020053665-\$ or US- 20020063258-\$ or US- 20030222266-\$ or US- 20040026710-\$ or US- 20040041160-\$ or US- 20040087050-\$ or US- 20040108513-\$ or US- 20040113167-\$ or US- 20060071218-\$ or US- 20060175600-\$ or US- 20030042496-\$ or US- 20030141506-\$) did. or (US-20040104390-\$ or US- 20070045651-\$ or US- 20020030185-\$ or US- 20040135136-\$ or US- 20020136932-\$ or US- 20030015724-\$ or US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/08/22 13:05

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\$ or US-6507042-\$ or US-  
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	\$ or US-5534444-\$ or US-6816525-\$).did. or (US-4637122-\$).did.				
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### **EAST Search History (Interference)**

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**8/ 23/ 2011 5:46:29 PM**

**C:\ Documents and Settings\ rhuber\ My Documents\ EAST\ Workspaces\ Case 10586909 LED w holes in active layers\ EAST search 10586909.wsp**